

APR 02 2004

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE  
STATEMENT

Docket Number:  
**11403/46**

Application Number  
**10/613,366**

Filing Date  
**July 3, 2003**

Examiner  
**To Be Assigned**

Art Unit  
**2857**

Title  
**A FAST FEATURE SELECTION METHOD AND  
SYSTEM FOR MAXIMUM ENTROPY  
MODELING**

Applicant(s)  
**WENG et al.**

I hereby certify that this correspondence is being deposited with the  
United States Postal Service with sufficient postage as first class mail  
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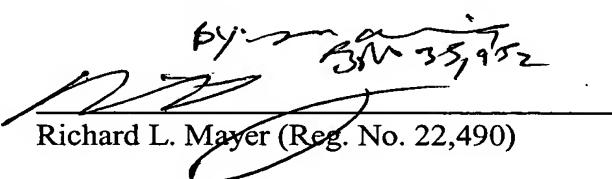
on

Date: 3/31/04

Signature: R. Hansen

1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the following references to the attention of the Examiner. The references are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that these references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
2. A copy of each patent, publication or other information listed on the modified PTO form 1449 is enclosed, except as otherwise indicated on the modified PTO form 1449.

Dated: 3/31/04

By: 

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <b>PTO FORM 1449</b> <b>APR 02 2004</b> 	ATTY. DOCKET NO. <b>11403/46</b>	SERIAL NO. <b>10/613,366</b>
	<b>APPLICANT(s)</b> <b>WENG et al.</b>	
	FILING DATE July 3, 2003	GROUP Not yet assigned

#### U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE

#### FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO

#### OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	Adam L. Berger, Stephen A. Della Pietra, and Vincent J. Della Pietra, A Maximum Entropy Approach to Natural Language Processing, Computational Linguistic, 22 (1): 39-71 (1996).
	Stanley Chen and Ronald Rosenfeld, Efficient Sampling and Feature Selection in Whole Sentence Maximum Entropy Language Models, Proceedings of ICASSP-1999, Phoenix, Arizona (1999).
	Joshua Goodman, Sequential Conditional Generalized Iterative Scaling, Association for Computational Linguistics, Philadelphia, Pennsylvania (2002).
	Rob Koeling, Chunking with Maximum Entropy Models, Proceedings of CoNLL-2000 and LLL-2000, Lisbon, Portugal, 139-141 (2000).
	Adwait Ratnaparkhi, Maximum Entropy Models for Natural Language Ambiguity Resolution, Ph.D thesis, University of Pennsylvania (1998).
	Adam Berger and Harry Printz, A Comparison of Criteria for Maximum Entropy/Minimum Divergence Feature Selection, Proceedings of the 3 <sup>rd</sup> conference on Empirical Methods in Natural Language Processing, Granda, Spain (1998).
	Ronald Rosenfeld, Adaptive Statistical Language Modeling: A Maximum Entropy Approach, Ph.D thesis, Carnegie Mellon University (1994).
	J. Reynar and A. Ratnaparkhi, A Maximum Entropy Approach to Identifying Sentence Boundaries, Proceedings of the Fifth Conference on Applied Natural Language Processing, Washington, D.C., 16-19 (1997).
	Zhou Ya-Qian, Guo Yi-Kun, Huang Xuan-jing, and Wu Li-de, Chinese and English BaseNP Recognized by Maximum Entropy, Journal of Computer Research and Development, Beijing (2003).

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		Andrew J. Hunt and Alan W. Black, Unit Selection In a Concatenative Speech Synthesis System Using A Large Speech Database, Proc. ICASSP-96, May 7-10, Atlanta, GA.
		Fuliang Weng, Andreas Stolcke, and Michael Cohen, Language Modelling for Multilingual Speech Translation in Manny Rayner, David Carter, Pierrette Bouillon, Vassilis Digalakis, Mats Wiren (ed.), The Spoken Language Translator, ch.16, Cambridge University Press (2000).
		Ronald Rosenfeld, Larry Wasserman, Can Cai, and Xiaojin Zhu, Interactive Feature Induction and Logistic Regression for Whole Sentence Exponential Language Models, Proceedings of IEEE workshop on automatic speech recognition and understanding, Keystone, Colorado (December 1999).
		Peter F. Brown et al., Class-Based n-gram Models of Natural Language, Association for Computational Linguistics (1992).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	